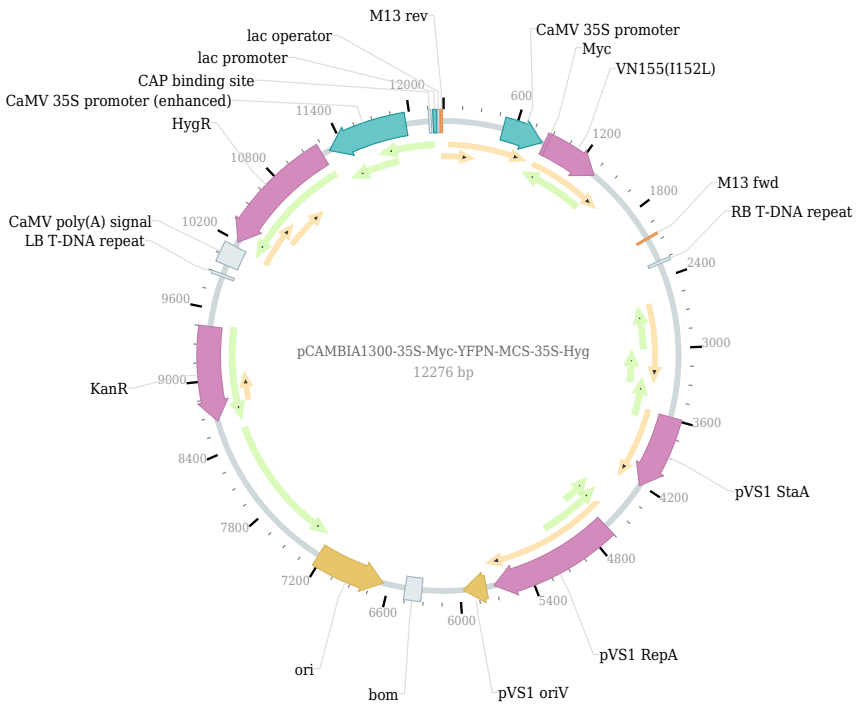
pCAMBIA1300-35S-Myc-YFPN-MCS-35S-Hyg

Vector ID	V013845
Antibiotic Resistance	Kanamycin
Length	12276 bp
Vector Type	Bioluminescence resonance energy transfer (BRET)
Host	Plants

Product Information

Replication Origin	ori
Selection Marker	Hyg
Copy Number	High copy number
Promoter	CaMV35S(long)
Growth Strain(s)	DH5a
Growth Temperature	37℃
Comment	pCAMBIA1300-35S-Myc-YFPN-MCS-35S-Hyg is a binary vector for Agrobacterium-mediated plant transformation. It is used for BiFC (Bimolecular Fluorescence Complementation) assays to study protein-protein interactions in planta, utilizing dual 35S promoters to drive expression of a YFPN fusion protein and a hygromycin resistance marker.

Vector Map



Plasmid Resuspension Protocol

1. Centrifuge at 5,000×g for 5 min.
2. Carefully open the tube and add sterile water to dissolve the DNA: add 20 µl for 5 µg plasmid, and 100 µl for 100 µg plasmid.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin to concentrate the liquid at the bottom. Speed is less than 5000×g.
5. Store the plasmid at -20 ℃.